



MATERIAL SAFETY DATA SHEET (MSDS)

(Version 1.0. Release date: 18/12/2012)

1. Product and company information

Product name..... KaitoSol®
Importer..... Agentra LTD, United Kingdom
Product nature..... Biostimulant

2. Composition/information on ingredients

Chemical family..... Biostimulant
Chemical composition..... Chitosan, Potassium
Hazardous components..... None

This product is not dangerous to health as defined by the EU dangerous substances /preparation directives

3. Hazards identification

Effects of over exposure..... No significant effect expected
Emergency Response Data..... Brownish aqueous solution, slightly aroma, non-flammable, non-combustible

4. First aid measures

Eye contact..... May cause irritation. Will tend to form film on the surface of the eye causing blurred vision. Flush with plenty of water. Seek medical help if irritation persists.
Skin contact..... Can cause irritation rash. Wash with plenty of water. Seek medical help if irritation persists.
Inhalation..... Avoid breathing any fumes. Acute inhalation symptoms unknown. Move to fresh air and get medical help if persistent irritation or breathing difficulties occur.
Ingestion..... If swallowed no specific intervention is required as the compound is not likely to be hazardous by ingestion. However, consult nearest medical centre.

5. Fire measures

Extinguishing media..... Not applicable, non-flammable
Unusual fire and explosion hazards.. None
Flash point, °C..... Not applicable

6. Accident release measure procedures

Land spills..... Utilize protective clothing. Dilute with water/hose
Water spills..... Notify port or relevant authority.
Package and container..... Leaking containers can be double bagged and the content transferred to appropriate replacement.
Environment precautions..... Prevent spillage from drinking water supply.
Personal precautions..... See section 8.

7. Handling and storage

Handling..... No special precautions are necessary beyond normal good hygiene practices.
Storage..... Store in a cool, dry place away from strong oxidizing agents. Do not store in open or unlabelled containers.



8. Exposure controls/personal protection

Ventilation.....	Well ventilated work place is adequate.
Respiratory protection.....	No special equipment is necessary in a well ventilated work place.
Eye protection.....	Chemical type goggles or face shields are optional depending on working conditions.
Skin protection.....	Good personal hygiene practices are sufficient. The use of gloves is recommended.
Exposure limit.....	The components of this product do not have recognised exposure limits.

9. Physical and chemical properties

Appearance.....	Liquid
Colour.....	Brown
Odour.....	Slightly vinegar
Solubility in water.....	Soluble
Density, at 15 °C, g/cm ³	1.01
pH.....	5.0

10. Stability and reactivity

Stability (light)	Stable.
Conditions to avoid.....	Temperatures above 40 °C and below 10 °C.
Incompatibility.....	Strong oxidisers like chlorine.
Hazardous decomposition products..	Carbon dioxide, ammonia.
Polymerisation.....	Will not occur

11. Toxicological information

Oral toxicity (Rats)	Not available
Dermal toxicity (Rabbits)	Not available
Inhalation toxicity (Rabbits)	Not available
Eye irritation (Rabbits).....	Not available
Skin irritation (Rabbits)	Not available

12. Ecological information

This product biodegrades at a normal rate. No harmful effects to terrestrial or aquatic habitats are expected.

13. Disposal considerations

Collect and dispose of waste product at an authorised disposal facility, land disposal is acceptable in conformance with national and local regulations

14. Transport information

USA DOT.....	Not regulated by USA DOT.
IMO.....	Not regulated by IMO.
IATA.....	Not regulated by IATA.

15. Regulatory information

Not regulated by EU Dangerous substances

16. Other information

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing is intended as a recommendation for uses which infringe valid patents or as extending licence under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.

